DOCKET NO.: ABDT-0579



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Deia Salah-Eldin Bayoumi, et al.

Confirmation No.:

Application No.: 10/699,376

Group Art Unit: Not Yet Assigned

Filing Date: October 31, 2003

Examiner: Not Yet Assigned

For: INDUSTRIAL INFORMATION TECHNOLOGY (IT) PAPERLESS OPERATOR WORKSTATION

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In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

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	Copie	s of each of the references listed on the attached Form PTO-1449 are
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	EXCE	EPT THAT:
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		they were previously cited by or submitted to the U.S. Patent and
		Trademark Office in patent application(s) for which a claim for priority
		under 35 U.S.C.§ 120 have been made in the instant application:
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		attached Form PTO-1449 were previously cited by or submitted
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Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

There are no listed references which are not in the English language.

Date:

3/1/04

ohn E. McGlynn

Registration No. 42,863

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Form PI	O-1449 Modified	Docket No. ABDT-0579/B030290	Application No. 10/699,376			
Cite	tent and Publications and by Applicant al sheets if necessary)	Applicant Deia Salah-Eldin Bayo	Applicant Deia Salah-Eldin Bayoumi, et al.			
	artment of Commerce and Trademark Office	Filing Date October 31, 2003	Group Not Yet Assigned			
OTE	IER DOCUMENTS (In	cluding Author, Title, Date,	Pertinent Pages, Etc.)			
	System", IEEE Solut	ace Manufacturer takes off wi	-			
			Manufacturing Pays Off', Quality, November 1998, 46-47			
•	107-112	ying the Benefits of Automation", ISA Transactions, 1994, 33,				
	4 Eckerson, W., "Pape pages	rfree Factory gets Patriot Flyi	ree Factory gets Patriot Flying", Network World, 8(52), 2			
	5 Fouhy, k. et al., "Par 1995, 31-33	Fouhy, k. et al., "Paperless Batch Plants become a Reality", Chemical Engineer				
		Joint Industry_university CIM Project for University ufacturing", <i>IEEE</i> , 1991 , 37-40				
-	7 Gould, L., "Data Col Automation, May 19		ction Leads to Paperless Manufacturing", Managing			
	8 Jain, H.K. et al., "E-	R Approach to Distributed He	terogeneous Database Systems for s Management Journal, 1992, 3(1),			
	Process Planning Sy 1992, 513-516	stem to CQMS for Manufactu	veloped Computer Aided Pictorial uring Process", Supercollider 4,			
	Haverson, D.S., RS/	6000 Drives Paperless Manuf	acturing", Applied Solutions, 21-22			
EXAMINER	,	DATE CON	SIDERED			

Form PTO-1449 Modified			Docket No ABDT-05	o. 79/B030290	Application No. 10/699,376		
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Deia Salah-Eldin Bayoumi, et al.					
	U.S. Department of Commerce Patent and Trademark Office			e 31, 2003	Group Not Yet Assigned		
ОТН	IER	DOCUMENTS (Includ	ing Author	, Title, Date,	Pertinent Pages, Etc.)		
1	11	Han, M.H. et al., "Flow of Stockout Cost", Int. J. Pr			acturing: Minimization of 1-715		
1	12	Lindo, W., "Workflow M 1996, 91, 419-420	lanagement	und Optimier	ung der Geschaftsprozesse", ZWF,		
1	13		sign of Integrated Manufacturing System Control Software", vstems, Man, and Cybernetics, 1987, 17(6), 881-897				
1	14	Ram, S.N. et al., "Paperless Manufactruing for IC Assembly", <i>IEEE/SEMI Intermediate Manufacturing Science Symposium</i> , 1992 , 90-93			<i>i</i> , 1992 , 90-93		
1	15 Remson, M.G., "Paperle IEEE/SEMI Int'l Semico			ess Manufacturing, A Challenge Now and in the Future", anductor Manufacturing Science Symposium, 1991, 89-94 ess of Dynamic Rescheduling in Agent-Based Flexible ", SPIE, 3203, 88-99			
1							
1	17	Vasilash, G.S., "Meeting Production, July 1993, 5		Head-on (Mac	chinery Manufacturing)",		
1	18	Vide, J.J. et al., "FMS W Computer Simulation Co	Ork Flow Optimization", <i>Proceedings of the 1986 Summer</i> onference, 1986 , 705-710				
1	von Hardenberg, P.W. et al., "Use of Integrated Knowledge-Based Systems for Helicopter Design and Manufacturing", American Helicopter Society 51 st Annual Forum, 1995, 1-10				Helicopter Society 51 st Annual		
2	20	Shop Solutions-"Islands Engineering, 1997, 134-		ion have Pape	rless Links", Manufacturing		
EXAMINER				DATE CON	SIDERED		

Form I	RAPM PILLIAAY VIAAIIIRA			79/B030290	Application No. 10/699,376		
C	List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Deia Salah-Eldin Bayoumi, et al.				
	U.S. Department of Commerce Patent and Trademark Office			e 61, 2003	Group Not Yet Assigned		
O	HEF	R DOCUMENTS (Includ	ing Author	, Title, Date, l	Pertinent Pages, Etc.)		
	21	"Revamping Manufactur	ring", Comp	uter-Aided Eng	gineering, 1995, 10-11		
*	22 Min-Hong, H., "Work Flow Control in Automat of Technology				Manufacturing", Georgia Institute		
	23	and Information Sets", In Management, 2001, 21(1	wards Integrated Manufacturing Planning with Common Tool International Journal of Operations & Production 11), 1460-1482				
	24	Fung, R.Y.K. et al., "Adaptive Production Scheduling of Virtual Production Systems Using Object-Oriented Petri Nets with Changeable Structure", <i>Intl. J. Prod. Res.</i> , 2002 , 40(8), 1759-1785					
	25 Greenwell, R.M. et al., "Computer-aided Acquisition of Manufacturing Information Advances in Engineering Software, 1994, 20, 1-12						
	26		"Rough-cut Capacity Planning for Remanufacturing Firms", Control, 1997, 8(3), 237-244				
	27	Structures", International	ntegrated Manufacturing Systems: The Concept and al Journal of Production of Economics, 1991, 25, 5-12				
	Jain, H.K. et al., "E-R Approach to Distributed Heterogeneous Database Systems for Integrated Manufacturing", Information Resource Management Journal, 1992, 3(1) 21-29				Management Journal, 1992, 3(1),		
	29	Jean-Luc, G., "Automated Shop Floor Control System and Method of Operation Thereof", <i>Patents Alert</i> , 5530857 , page 87					
	Naylor, A.W., et al., "Design of Integrated Manufacturing System Control Softwa <i>IEEE Transactions on Systems, Man, and Cybernetics,</i> 1987, SMC17-(6), 881-897				acturing System Control Software", tics, 1987, SMC17-(6), 881-897		
EXAMINER DATE CONSIDERED							

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Form PTO	-1449 Modified	Docket No. ABDT-0579/B030290	Application No. 10/699,376	
Cited b	t and Publications by Applicant sheets if necessary)	Applicant Deia Salah-Eldin Bayoumi, et al.		
	nent of Commerce Trademark Office	Filing Date October 31, 2003	Group Not Yet Assigned	
ОТНЕ	R DOCUMENTS (Includ	ing Author, Title, Date,	Pertinent Pages, Etc.)	
31			for Control of Production of the umentation and Control, 1983, 4,	
32	Flexible Manufacturing S		ol for Dynamic Scheduling in lings of the IEEE International 4-1119	
33			Paper Machinery Manufacturing",	
34	Ramaswamy, S.E. et al., "Deadlock-Free Schedules for Automated Manufacturin Workstations", <i>IEEE Transactions on Robotics and Automation</i> , 1996 , 12(3), 391, 400			
35	Roberts, P.D. et al., "A C and Control, Abstracts, 0		Integrated Operations Management	
36	Saad, A. et al., "Effective Manufacturing Systems"	eness of Dynamic Rescheduling in Agent-Based Flexible ', SPIE, Vol. 3203, 88-99		
37	Slomp, J. et al., "A Manu Manufacturing System", 10(1/2), 109-114	ifacturing Planning and C Robotics & Computer-Int	ontrol System for a Flexible regrated Manufacturing, 1993,	
38				
39				
* 40	K. Kachigan, <i>Multivaria</i> , Edition, 1991	te Statistical Analysis, A (Conceptual Introduction, 2 nd	
EXAMINER		DATE CON	SIDERED	

A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

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Form P	HARM PITILIAAY WAATHEA		Docket No ABDT-05). 79/B030290	Application No. 10/699,376	
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Deia Salah-Eldin Bayoumi, et al.				
U.S. Department of Commerce Patent and Trademark Office			Filing Date October 31, 2003 Group Not Yet Assigned			
ОТ	HER	R DOCUMENTS (Includ	ing Author	, Title, Date, l	Pertinent Pages, Etc.)	
*	41	Regression, 2002, John V	Wiley & Son	ns, Inc.,	Nonlinear Classification and	
	42	Cox, D., "Analyzing Tran	nsformer Te	est Data",		
	43 Geromel, L. H. et al., "The Application of Intelligent Systems in Power Transf Design", Proceedings of the 2002 IEEE Canadian Conference on Electrical & Computer Engineering, 2002, 285-290				ent Systems in Power Transformer Conference on Electrical &	
	44 Doulamis, N.D., et al., "A Synergetic Neural No Transformer Construction", <i>Integrated Compute</i>			ed Computer-A	r-Aided Engineering, 2002, 9, 37-56	
	45	Saravolac, M.P., "Use of Institution of Electrical E			iques in Transformer Design", The	
	46	Balma, P.M. et al., "Expeding Diagnostics, and Design 58 th Annual Meeting, 199	Review", P	roceedings of	nsformer Maintenance, the American Power Conference,	
	-					
EXAMINER				DATE CONS	SIDERED	

A copy of this reference will not be forwarded to the U.S. Patent and Trademark since it is believed to be too voluminous and easily obtainable by the Examiner

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List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce				Docket No. ABDT-0579/B030290	Application 10/699,376	Application No. 0/699,376	
				Applicant Deia Salah-Eldin Bayoumi, et al.			
				Filing Date October 31, 2003	Group Not Yet Ass	up Yet Assigned	
		U. S	S. PATENT	DOCUMENTS			
Examiner Initial		Document No.	Name	Class	ss Subclass		
	47	5,311,438	05/10/94	Sellers, et al.	364	468	
	48	5,463,555	10/31/95	Ward, et al.	364	468	
,	49	5,835,764	11/10/98	Platt, et al.	395	671	
	50	6,324,259 B1	02/05/02	Sandoual	705	7	
	51	6,324,523 B1	11/27/01	Killeen, Jr. et al.	705	35	
	52	6,477,521 B1	11/05/02	Kuomura, et al.	707	1	
	53	2001/0042092 A1	11/15/01	Kudo, et al.	709	200	
	55	2002/0143598 A1	10/03/02	Scheer	705	9	
	56	6,633,772	10/14/03	Ford, et al.	600	345	
	57	6,636,862 B2	10/21/03	Lundahal	707	101	
· · · · · · · · · · · · · · · · · · ·		FORE	IGN PATE	ENT DOCUMENTS	-		
Examiner Initial		Document No.	Date	Country	Tra YES	nslation NO	
Initiai	58		10/27/93	EPO	1 ES	NO	
		EP 0 721 625 B1	04/24/02	EPO			
	60	WO 95/09387	04/06/95	PCT			
	61	WO 98/57285	12/17/98	PCT			
	62	WO 99/15979	04/01/99	PCT			
	63	WO 01/02928 A2	01/11/01	PCT			
·	64	WO 01/50405 A1	07/12/01	PCT	-		
EXAMINER			37,12,01	DATE CONSIDERED			